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NEWS 1 Web Page for STN Seminar Schedule - N. America
 NEWS 2 JUL 02 LMEDLINE coverage updated
 NEWS 3 JUL 02 SCISEARCH enhanced with complete author names
 NEWS 4 JUL 02 CHEMCATS accession numbers revised
 NEWS 5 JUL 02 CA/Caplus enhanced with utility model patents from China
 NEWS 6 JUL 16 Caplus enhanced with French and German abstracts
 NEWS 7 JUL 18 CA/Caplus patent coverage enhanced
 NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
 NEWS 9 JUL 30 USGENE now available on STN
 NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags
 NEWS 11 AUG 06 FSTA enhanced with new thesaurus edition
 NEWS 12 AUG 13 CA/Caplus enhanced with additional kind codes for granted patents
 NEWS 13 AUG 20 CA/Caplus enhanced with CAS indexing in pre-1907 records
 NEWS 14 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INFADOCDB
 NEWS 15 AUG 27 USPATOLD now available on STN
 NEWS 16 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
 NEWS 17 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
 NEWS 18 SEP 13 FORIS renamed to SOFIS
 NEWS 19 SEP 13 INFADOCDB enhanced with monthly SDI frequency
 NEWS 20 SEP 17 CA/Caplus enhanced with printed CA page images from 1967-1998
 NEWS 21 SEP 17 Caplus coverage extended to include traditional medicine patents
 NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
 NEWS 23 OCT 02 CA/Caplus enhanced with pre-1907 records from Chemisches Zentralblatt
 NEWS 24 OCT 19 BEILSTEIN updated with new compounds
 NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced
 NEWS 26 NOV 19 WPIX enhanced with XML display format
 NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
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 NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'REGISTRY' ENTERED AT 11:48:45 ON 29 NOV 2007
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 28 NOV 2007 HIGHEST RN 956214-95-2
DICTIONARY FILE UPDATES: 28 NOV 2007 HIGHEST RN 956214-95-2

New CAS Information Use Policies, enter **HELP USAGETERMS** for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

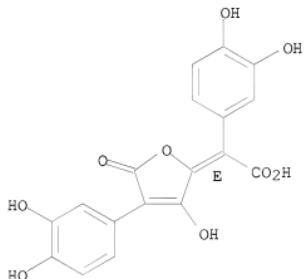
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stnqen/stndoc/properties.html>

```
=> e variegatic acid/cn
E1          1      VARIECOXANTHONE B/CN
E2          1      VARIECOXANTHONE C/CN
E3          1 --> VARIEGATIC ACID/CN
E4          1      VARIEGATIC ACID DILACTONE TETRAACETATE/CN
E5          1      VARIEGATIC ACID LACTONE ACETATE/CN
E6          1      VARIEGATIC DILACTONE/CN
E7          1      VARIEGATINE/CN
E8          1      VARIEGATORUBIN/CN
E9          1      VARIEGATUSIDE A/CN
E10         1      VARIEGATUSIDE B/CN
E11         1      VARIFOAM YM/CN
E12         1      VARIEOS 2611/CN
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=> s e3
L1      1 "VARIEGATIC ACID"/CN
=> d
L1      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN
RN      20988-30-1  REGISTRY
ED      Entered STN: 16 Nov 1984
CN      Benzeneacetic acid,  $\alpha$ -(4-(3,4-dihydroxyphenyl)-3-hydroxy-5-oxo-2(5H)-furanylidene)-3,4-dihydroxy-, ( $\alpha$ E)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN       $\alpha$ 2(5H), $\alpha$ -Furanacetic acid,  $\alpha$ ,4-bis(3,4-dihydroxyphenyl)-3-hydroxy-5-oxo- (8CI)
OTHER NAMES:
CN      Variegatic acid
FS      STEREOSEARCH
MF      C18 H12 O9
LC      STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT,
NAPRALERT, TOXCENTER
(*File contains numerically searchable property data)
```

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

14 REFERENCES IN FILE CA (1907 TO DATE)
 14 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> log hold	COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
	FULL ESTIMATED COST	7.35	7.56

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 11:49:09 ON 29 NOV 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x::x

LOGINID: SSPTABSF1616

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 4 JUL 02 CHEMCATS accession numbers revised
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NEWS 6 JUL 16 CAplus enhanced with French and German abstracts
NEWS 7 JUL 18 CA/Caplus patent coverage enhanced
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9 JUL 30 USGENE now available on STN
NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 11 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 12 AUG 13 CA/Caplus enhanced with additional kind codes for granted
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NEWS 13 AUG 20 CA/Caplus enhanced with CAS indexing in pre-1907 records
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patent family display formats from INPADOCDB
NEWS 15 AUG 27 USPATOLD now available on STN
NEWS 16 AUG 28 CAS REGISTRY enhanced with additional experimental
spectral property data
NEWS 17 SEP 07 STN AnaVist, Version 2.0, now available with Derwent
World Patents Index
NEWS 18 SEP 13 FORIS renamed to SOFIS
NEWS 19 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 20 SEP 17 CA/Caplus enhanced with printed CA page images from
1967-1998
NEWS 21 SEP 17 CAplus coverage extended to include traditional medicine
patents
NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 23 OCT 02 CA/Caplus enhanced with pre-1907 records from Chemisches
Zentralblatt
NEWS 24 OCT 19 BEILSTEIN updated with new compounds
NEWS 25 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 26 NOV 19 WPIX enhanced with XML display format

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS SIN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 14:31:34 ON 29 NOV 2007

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=> file caplus
COST IN U.S. DOLLARS
SINCE FILE      TOTAL
ENTRY          SESSION
0.21          0.21

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FILE 'CAPLUS' ENTERED AT 14:32:21 ON 29 NOV 2007
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FILE COVERS 1907 - 29 Nov 2007 VOL 147 ISS 23
FILE LAST UPDATED: 28 Nov 2007 (20071128/EP)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

```
> s polyphenol or diphenol or hydroquinone or benzenediol or quinone
    17010 POLYPHENOL
    17430 POLYPHENOLS
    25787 POLYPHENOL
        (POLYPHENOL OR POLYPHENOLS)
    4269 DIPHENOL
    1850 DIPHENOLS
    5614 DIPHENOL
        (DIPHENOL OR DIPHENOLS)
    47425 HYDROQUINONE
    2698 HYDROQUINONES
    48468 HYDROQUINONE
        (HYDROQUINONE OR HYDROQUINONES)
```

10137 BENZENEDIOL
 329 BENZENEDIOLS
 10253 BENZENEDIOL
 (BENZENEDIOL OR BENZENEDIOLS)
 37454 QUINONE
 19424 QUINONES
 47009 QUINONE
 (QUINONE OR QUINONES)
 L1 128067 POLYPHENOL OR DIPHENOL OR HYDROQUINONE OR BENZENEDIOL OR QUINONE

 => s color or colored
 452535 COLOR
 50099 COLORS
 477487 COLOR
 (COLOR OR COLORS)
 113061 COLORED
 11 COLOREDS
 113067 COLORED
 (COLORED OR COLOREDS)
 L2 551417 COLOR OR COLORED

 => s l1 and l2
 L3 8841 L1 AND L2

 => s alkali?
 569479 ALKALI?
 431040 ALK
 672 ALKS
 431400 ALK
 (ALK OR ALKS)
 25347 ALKY
 3 ALKIES
 25350 ALKY
 (ALKY OR ALKIES)
 L4 862889 ALKALI?
 (ALKALI? OR ALK OR ALKY)

 => s base or basic or carbonate
 733629 BASE
 162691 BASES
 831700 BASE
 (BASE OR BASES)
 411799 BASIC
 3487 BASICS
 414909 BASIC
 (BASIC OR BASICS)
 313822 CARBONATE
 69658 CARBONATES
 347781 CARBONATE
 (CARBONATE OR CARBONATES)
 L5 1534851 BASE OR BASIC OR CARBONATE

 => s l3 and l4
 L6 1664 L3 AND L4

 => s l3 and (l4 or l5)
 L7 2310 L3 AND (L4 OR L5)

=> deodorant or malodor

DEODORANT IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (>).

=> s deodorant or malodor
 9118 DEODORANT
 11531 DEODORANTS
 13541 DEODORANT
 (DEODORANT OR DEODORANTS)
 2975 MALODOR
 342 MALODORS
 3201 MALODOR
 (MALODOR OR MALODORS)
 L8 16159 DEODORANT OR MALODOR

=> s 16 and 18
 L9 3 L6 AND L8

=> d ibib abs 1-3

L9 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2007:1639905 CAPLUS
 DOCUMENT NUMBER: 147:37951
 TITLE: Hair dyes with decreased malodor and
 improved color fastness
 INVENTOR(S): Kanno, Manabu; Okamoto, Manabu; Shiso, Masayuki; Sano,
 Mitsu
 PATENT ASSIGNEE(S): Mandom Corp., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 14pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007145783	A	20070614	JP 2005-345419	20051130
PRIORITY APPLN. INFO.:			JP 2005-345419	20051130

AB Hair dyes comprise (1) a first agent containing oxidative dyes and alkalies; (2) a second agent containing oxidants; and (3) a third agent containing protein hydrolyzates, nonionic surfactants, silicone oils, and/or polyhydric alcs. Hairs are dyed with a mixture of the agents (1) and (2) and applied with the third agent to prevent color fading. For example, an oxidative hair comprised (1) a first agent containing p-phenylenediamine, p-aminophenol, 5-amino-o-cresol, ammonium hydroxide, polyoxyethylene cetyl ether, cetyl alc., oleyl alc., Na ascorbate, and water; (2) a second agent containing H2O2 and water; and (3) a third agent containing soy protein hydrolyzates, polyoxyethylene cetyl ether, sorbitan monostearate, methylpolysiloxane, 3-methyl-1,3-butanediol, stearyltrimethylammonium chloride, and water.

L9 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:1031910 CAPLUS

DOCUMENT NUMBER: 145:403448
 TITLE: Stable composition for hair dye with masked malodor
 INVENTOR(S): Nagano, Junko; Sugiyama, Kazuki; Matsumura, Yasuko; Hoshino, Kunihide; Aida, Takashi
 PATENT ASSIGNEE(S): Takasago International Corporation, Japan
 SOURCE: U.S. Pat. Appl. Publ., 9pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006218730	A1	20061005	US 2006-384306	20060321
JP 2006282627	A	20061019	JP 2005-107223	20050404
KR 2006106904	A	20061012	KR 2006-30627	20060404
EP 1714637	A2	20061025	EP 2006-112222	20060404
EP 1714637	A3	20061102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IB, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
CN 1853603	A	20061101	CN 2006-10073111	20060404
JP 2005-107223 A 20050404				

PRIORITY APPLN. INFO.: AB The present invention relates to a stable composition for hair dye, which comprises at least one compound selected from dihydrocitronellyl nitrile, 2,2,6-trimethylcyclohexane carboxylic acid Et ester, 2-ethyl-4-(2,2,6-trimethyl-3-cyclopenten-1-yl)-2-but-en-1-ol, 2,2,6-trimethylcyclohexyl-3-hexanol, 1-(2-methyl-2-propenyl)-2,2,4-trimethylpentan-3-ol, thioglycerin, di-Bu sulfide, thiogeraniol, thiocineol, 2-methyl-4-propyl-1,3-oxathian, 4-methoxy-2-methyl-2-butanethiol and the like. The stable composition for hair dye has a superior effect in masking a malodor originated from components such as ammonia formulated in hair dye composition, and is also stable in an alkaline product and an acidic solution product.

L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:570373 CAPLUS
 DOCUMENT NUMBER: 141:88252
 TITLE: Polyphenols of adzuki or kidney beans and their manufacture
 INVENTOR(S): Murakami, Seiichi; Aizawa, Osamu; Kojima, Michiyuki; Oba, Kiyoshi; Hosokawa, Shusaku
 PATENT ASSIGNEE(S): Showa Shoji K. K., Japan; Tokachi Seian Co., Ltd.; Zaidan Hojin Tokachiken Shinko Kiko
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004196689	A	20040715	JP 2002-365058	20021217
JP 2002-365058 20021217				

AB The polyphenols, useful as color fading inhibitors, deodorants, etc., are manufactured by treating exts. or soups of adzuki or kidney beans with ion exchange resins and/or activated C, elution with alkaline aqueous solns., H₂O, and/or organic solvents (e.g., EtOH), and neutralization with acidic aqueous solns. An aqueous solution of Monascus pigment was mixed with a polyphenol solution isolated from adzuki beans and stored for 1 wk without change in color.

=> d his

(FILE 'HOME' ENTERED AT 14:31:34 ON 29 NOV 2007)

FILE 'CAPLUS' ENTERED AT 14:32:21 ON 29 NOV 2007
E HYDROQUINONE+ALL/CT
E QUINONE+ALL/CT

L1 128067 S POLYPHENOL OR DIPHENOL OR HYDROQUINONE OR BENZENEDIOL OR QUIN
L2 551417 S COLOR OR COLORED
L3 8841 S L1 AND L2
L4 862889 S ALKALI?
L5 1534851 S BASE OR BASIC OR CARBONATE
L6 1664 S L3 AND L4
L7 2310 S L3 AND (L4 OR L5)
L8 16159 S DEODORANT OR MALODOR
L9 3 S L6 AND L8

=> s 11 and 14 and 18
L10 16 L1 AND L4 AND L8

=> s 110 not 19
L11 13 L10 NOT L9

=> d ti 1-13

L11 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
TI Liquid deodorant composition and method of deodorizing

L11 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
TI Deodorants and deodorant resin compositions for removal of malodor of aldehydes

L11 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
TI Thermoplastic resin foamed articles with good capture of malodor gases and their manufacture

L11 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
TI Method for extraction of deodorant component from polyphenols for use as deodorant

L11 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
TI Use of arylsulfatase inhibitors in deodorants and antiperspirants

L11 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
TI Anticariogenic confectionery compositions providing enhanced oral care benefits

L11 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Method for production of polyphenol

L11 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Hair care composition comprising antioxidants

L11 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Method for polymerizing phenolic compounds or the like and use thereof

L11 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Polyphenol-oxidizing enzymes-containing composition and methods for treating porous article

L11 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Process for producing high-molecular-weight compounds of phenolic compounds, etc. and use thereof

L11 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Permanent-waving compositions using α, β -unsatd. ketone-containing compounds or precursors thereof

L11 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Deodorant multilayer coatings

=> d ibib abs 1-13

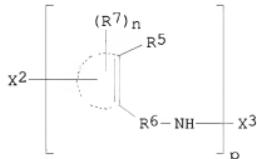
L11 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 20071090915 CAPLUS
 DOCUMENT NUMBER: 147:411974
 TITLE: Liquid deodorant composition and method of deodorizing
 INVENTOR(S): Hirano, Kyoko; Sugiyama, Kazuki; Kumamoto, Hiroyasu
 PATENT ASSIGNEE(S): Takasago International Corporation, Japan
 SOURCE: PCT Int. Appl., 39pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007108511	A1	20070927	WO 2007-JP55894	20070322
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, Bj, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

JP 2007252543 A 20071004 JP 2006-79797 20060322
 PRIORITY APPLN. INFO.: JP 2006-79797 A 20060322
 AB A two-component deodorant consists of a 1st deodorant component containing polyphenol and acid agent liquid mixture, and a 2nd deodorant component containing an alkali agent and an aqueous solvent. The deodorant efficiently eliminates mixed offensive odor including ≥2 of sulfurous compds., aldehydes, lower fatty acids, amines, etc.
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:469954 CAPLUS
 DOCUMENT NUMBER: 143:31211
 TITLE: Deodorants and deodorant resin compositions for removal of malodor of aldehydes
 INVENTOR(S): Harashina, Hatsuhiro
 PATENT ASSIGNEE(S): Polyplastics Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 34 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005137601	A	20050602	JP 2003-377506	20031106
PRIORITY APPLN. INFO.:			JP 2003-377506	20031106
OTHER SOURCE(S):	MARPAT	143:31211		
GI				



AB The deodorants comprise active H-containing N compds. of (a) diketones [R1COCCR2HCONR3]_mX1 (R1 = alkyl, cycloalkyl, aryl, aralkyl, N,N-disubstituted amino, alkoxy; R2 = H, alkyl; R3 = H, alkyl, polymer residue; X1 = hydrocarbyl, linear heteroatom-containing residue, heterocycle, hydrocarbyl, linear heteroatom-containing residue, heterocyclic), (b) enamines I (A1 = aromatic hydrocarbon ring; R5 = OH, mercapto, amino, N-monosubstituted amino; R6 = alkylene, carbonyl, O, S, SO, SO2; R7 = substituent; X2 = H, alkylene, carbonyl, O, S, SO, SO2; X3 = H, hydrocarbon residue, linear heteroatom-containing residue, heterocyclic; n = 0-3; p = 1-6; when X2 = H, X3 = p-valent residue; when X2 = direct bond or

divalent residue, X3 = monovalent residue and p = 2; when R5 = amino, X3 = hydrocarbon, linear heteroatom-containing residue, heterocyclic), (c) aromatic imidazolones, and/or (d) tetrazoles. The deodorant compns. containing the above deodorants and deodorant aids of basic N compds., weak acids or their metal salts, (hydrated) metal oxides, metal chlorides, alcs., polyphenols, and/or inorg. adsorbents are also claimed. The resin compns. contain resins and the deodorants or the deodorant compns. When the deodorants are mixed with resins, aldehyde emission from the resins is effectively suppressed.

L11 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:8668223 CAPLUS
 DOCUMENT NUMBER: 139:338834
 TITLE: Thermoplastic resin foamed articles with good capture of malodor gases and their manufacture
 INVENTOR(S): Takahashi, Seiji; Iijima, Yoshihiko; Saji, Mikio; Hojo, Hiroshi; Kageyama, Kazuki
 PATENT ASSIGNEE(S): JSP Co., Ltd., Japan; Dainichiseika Color and Chemical Mfg. Co., Ltd.; Tokyo Food Techno Co., Ltd.; Mitsui Norin Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003313345	A	20031106	JP 2002-117990	20020419
PRIORITY APPLN. INFO.:			JP 2002-117990	20020419

AB The foamed articles are manufactured by adding 0.01-20% polyphenols and 0.05-10% a composition containing zinc compds., weak alkaline inorg. substances and silicic acid hydrates to polyethylene type resins with MFR 0.1-30 g/10 min and d \leq 0.940 kg/m³, mixing with blowing agents, and extrusion foaming. Adding isobutane and butane to a composition containing polyethylene (MFR 4.5, d 0.916) a polyethylene matrix foaming regulator masterbatch, a polyethylene-type matrix antishrinking masterbatch, a polyethylene matrix deodorizing masterbatch containing Mg(OH)₂, ZnO, and zeolite, and a green tea extract, extruding into a foam sheet, and poking with a needle gave a sheet that captures malodorous gases such as NH₃ and HCHO.

L11 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2003:266897 CAPLUS
 DOCUMENT NUMBER: 138:291916
 TITLE: Method for extraction of deodorant component from polyphenols for use as deodorant
 INVENTOR(S): Yamanaka, Shinichi; Ofuji, Takuo; Nakatsubo, Fumiaki
 PATENT ASSIGNEE(S): Ririisu Kagaku Kogyo Kk, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003102821	A	20030408	JP 2001-305414	20011001
PRIORITY APPLN. INFO.:			JP 2001-305414	20011001
AB	The method is carried out by extraction of substance containing polyphenols, e.g., Rooibos tea, by alkaline aqueous solution, followed by pH adjustment, to obtain extract suitable as deodorant to remove mercaptan odor.			

L11 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:924299 CAPLUS
 DOCUMENT NUMBER: 138:8249
 TITLE: Use of arylsulfatase inhibitors in deodorants and antiperspirants
 INVENTOR(S): Banowski, Bernhard; Hoffmann, Daniele; Wadle, Armin; Siegert, Petra; Saettler, Andrea; Gerke, Thomas
 PATENT ASSIGNEE(S): Henkel Kgaa, Germany
 SOURCE: Ger. Offen.. 22 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10137901	A1	20021205	DE 2001-10137901	20010802
WO 2001099376	A3	20021121	WO 2001-EP10213	20010905
W: AU, CZ, EE, HR, HU, IN, LT, LV, NO, NZ, PL, RO, SI, SK, UA				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
PRIORITY APPLN. INFO.:			DE 2001-10126667	A1 20010601
			DE 2001-10137901	A 20010802

OTHER SOURCE(S): MARPAT 138:8249
 AB The invention concerns the use of arylsulfatase inhibitors in deodorants and antiperspirants to decrease body odor caused by decomposition of steroid esters. Deodorant sticks, microemulsion sprays, roll-ons and deodorant tissues are prepared. Thus a water-free deodorant stick included (weight%): silicon oil DC 245 28; Eutanol G16 10; Ucon Fluid AP 5; Cutina HR 6; Lorol C18 20; Eumulgin B3 3; aluminum chlorohydrate 20; talc 8; α -hydroxylauric acid 0.1.

L11 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2002:888451 CAPLUS
 DOCUMENT NUMBER: 137:369113
 TITLE: Anticariogenic confectionery compositions providing enhanced oral care benefits
 INVENTOR(S): Lawlor, Thomas Mark; Ji, Ning; Zhu, Long
 PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
 SOURCE: PCT Int. Appl., 37 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002091848	A1	20021121	WO 2002-US15267	20020514
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BE, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002311921	A1	20021125	AU 2002-311921	20020514
US 2003049303	A1	20030313	US 2002-146247	20020515
US 6703000	B2	20040309		

PRIORITY APPLN. INFO.:

US 2001-291177P	P	20010515
WO 2002-US15267	W	20020514

AB A confectionery composition comprises: (i) an effective amount of a natural plant

extract selected from tea, gold thread, honeysuckle, magnolia exts. and mixts. thereof; (ii) an oral care active selected from the group consisting of anti-calculus agents; anti-plaque agents; fluoride ion source; desensitizing agents; oral malodor control agents; H2 antagonists; and mixts. thereof; (iii) less than about 10% water; and (iv) a suitable confectionery carrier material. The present invention relates to stable portable oral care confectionery compns. which provide enhanced oral malodor benefits in combination with one or more further oral care benefits. Thus, a hardboiled candy comprises sugar 56.99, glucose 38.0, water 3.0, gold thread extract 0.5, sodium polyphosphate 5.0, and flavor 1.0%.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2000:654416 CAPLUS
 DOCUMENT NUMBER: 133:220348
 TITLE: Method for production of polyphenol
 INVENTOR(S): Hasuda, Ichiro; Iwasaki, Akira; Tawara, Hiroyuki
 PATENT ASSIGNEE(S): Hasegawa Kogyo Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000256345	A	20000919	JP 1999-54653	19990302
PRIORITY APPLN. INFO.:			JP 1999-54653	19990302

AB The title method involves : (1) extracting a plant material with water at ≤ 40°; (2) treating the residue in step 1 with alk . water at ≤ 70°; (3) treating the aqueous extract obtained in step 1 with an adsorbent; (4) combining the liqs. obtained in steps 2 and 3. Thus, green tea 400 g was extracted with water 4000 g at 40° to give an

aqueous extract (hereafter referred to as AQ) 3040 g; the residue was extracted with 0.5% aqueous NaOH 4000 g at 95 to 98° to give an alkaline aqueous extract (AAQ) 3450 g; AQ was passed through a HP-20 adsorbent column for adsorption of tea polyphenols; the column was washed with water; ethanol 1200 g was then passed through the column to give an extract of polyphenols (EP) 1156 g; AAQ 3450 g and EP 1156 g were combined and evaporated to give tea polyphenols 129 g.

L11 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2000:98247 CAPLUS
 DOCUMENT NUMBER: 132:141685
 TITLE: Hair care composition comprising antioxidants
 INVENTOR(S): Venkateswaran, Ananthanarayan; Tian, Minmin; Yokogi, Junichi
 PATENT ASSIGNEE(S): The Procter & Gamble Company, USA
 SOURCE: PCT Int. Appl., 47 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000006094	A1	20000210	WO 1998-US15756	19980729
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SI, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9886708	A1	20000221	AU 1998-86708	19980729
PRIORITY APPLN. INFO.:			WO 1998-US15756	A 19980729
AB	The present invention relates to a hair care composition comprising an organic antioxidant, an inorg. reducing agent selected from the group consisting of alkali metal sulfites, alkali metal bisulfites, alkali metal monopersulfates, alkali metal bisulfates, ammonium sulfate, ammonium bisulfite, ammonium persulfate, and mixts. thereof; a hair conditioning agent, and an aqueous carrier. The use of inorg. reducing agents substantially reduces malodor and/or discoloration of the hair care composition due to the oxidation of organic antioxidants over time. A conditioning shampoo contained ammonium laureth-3-sulfate 10, ammonium lauryl sulfate 2, N-cocoyl-L-glutamate 4, cocamidopropylbетaine 4, ethylene glycol distearate 1.5, cetyl alc. 0.5, stearyl alc. 0.4, cocamide MEA 1.5, silicone emulsion (dimethiconol) 2, silicone emulsion (polydimethylsiloxane) 2, perfumes 0.5, panthenol 0.025, panthenyl Et ether 0.25, vitamin E 0.005, sodium sulfite 0.1, DMDM hydantoin 0.37, NaCl 0.2, and deionized water q.s. to 100 %.			
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L11 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1998:527448 CAPLUS
 DOCUMENT NUMBER: 129:174725

TITLE: Method for polymerizing phenolic compounds or the like and use thereof
 INVENTOR(S): Echigo, Takashi; Yoneda, Tadashi; Aoki, Hirobumi; Ohno, Ritsuko
 PATENT ASSIGNEE(S): Showa Denko K.K., Japan
 SOURCE: PCT Int. Appl., '73 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9832871	A1	19980730	WO 1998-JP172	19980119
W: AU, BR, CA, CN, ID, KR, NO, NZ, RU, SG, US, VN				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 10262690	A	19981006	JP 1998-5865	19980114
AU 9854974	A	19980818	AU 1998-54974	19980119

PRIORITY APPLN. INFO.:

JP 1997-9728	A	19970122
WO 1998-JP172	W	19980119

AB A method for polymerizing phenolic compds. or the like with a polyphenol oxidase having a optimal reaction ph on the alk . side; compns. prepared by using the above method, such as a thickener, a stabilizer, a coagulant, an emulsifier, a dispersant, a water retaining agent, a humidity conditioning agent, an antioxidant, an adhesive, a dye, a coating agent, a rust preventive, a flame retardant, a petroleum recovering agent, a soil conditioner, a stabilizer for a surface soil sprayed with a seed, a deodorizer, a deodorant, an agricultural chemical spreading agent, a deoxydizer, a preservative, a disinfectant, an antimicrobial agent, a viral infection inhibitor, an organism deposition inhibitor, an organism repellent, an insecticide, an insect repellent, a cataplasm, an ink base, a concrete admixt., and a wood treatment; processes for preparing the above compns.; a method for treating soil; a method for treating a porous article; and a treated porous article and a process for preparing the same.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1998:398403 CAPLUS
 DOCUMENT NUMBER: 129:38129
 TITLE: Polyphenol-oxidizing enzymes-containing composition and methods for treating porous article
 INVENTOR(S): Echigo, Takashi; Ohno, Ritsuko
 PATENT ASSIGNEE(S): Showa Denko K.K., Japan; Echigo, Takashi; Ohno, Ritsuko
 SOURCE: PCT Int. Appl., '72 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9824890	A1	19980611	WO 1997-JP3798	19971021

W: AU, BR, CA, CN, ID, KR, NO, NZ, RU, SG, US, VN
 RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
 JP 10218999 A 19980818 JP 1997-142386 19970530
 CA 2274248 A1 19980611 CA 1997-2274248 19971021
 AU 9745746 A 19980629 AU 1997-45746 19971021
 AU 736563 B2 20010802
 EP 953634 A1 19991103 EP 1997-944193 19971021
 EP 953634 B1 20060607
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 NZ 336135 A 20000929 NZ 1997-336135 19971021
 AT 329013 T 20060615 AT 1997-944193 19971021
 NO 9902742 A 19990806 NO 1999-2742 19990604
 US 2003017565 A1 20030123 US 1999-319384 19990604
 PRIORITY APPLN. INFO.:
 JP 1996-327252 A 19961206
 JP 1997-142386 A 19970530
 WO 1997-JP3798 W 19971021

AB Disclosed is a method for treating a porous article to increase its mol. weight by coating or impregnating with a composition containing an enzyme having a

polyphenol oxidation activity in an alkaline pH region, a phenolic compound, and/or an aromatic amine compound. The process is to improve its property such as strength, abrasion resistance, weather resistance, rust resistance, flame retardancy, antimicrobial property, preservative property, germicidal property, insecticidal property, insect repellency, antiviral property, biol. repellency, adhesion, sustained release of chms., coloring, dimensional stability, cracking resistance, deodorant property, deoxygenation, humidification, water absorption, water repellency, surface smoothness, biol. affinity, ion exchange property, and formaldehyde absorption. The process also prevents chemical leaching and inorg. compds. from migrating onto the surface of the porous article. Polyphenol oxidase prepared from Myrothecium verrucaria was mixed with lignin sulfonate, cupric sulfate, ethylene diamine, and other compds. such as hinokitiol for the impregnation of cedar wood blocks at >pH 8 was demonstrated.

REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1998:1588 CAPLUS
 DOCUMENT NUMBER: 128:60795
 TITLE: Process for producing high-molecular-weight compounds of phenolic compounds, etc. and use thereof
 INVENTOR(S): Echigo, Takashi; Ohno, Ritsuko
 PATENT ASSIGNEE(S): Showa Denko K. K., Japan; Echigo, Takashi; Ohno, Ritsuko
 SOURCE: PCT Int. Appl., 42 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9746694	A1	19971211	WO 1997-JP1694	19970520
W: AU, BR, CA, CN, KR, NO, NZ, RU, SG, US, VN				

RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
 JP 09322784 A 19971216 JP 1996-144200 19960606
 JP 3320307 B2 20020903
 CA 2257551 A1 19971211 CA 1997-2257551 19970520
 AU 9727908 A 19980105 AU 1997-27908 19970520
 AU 722571 B2 20000803
 CN 1217752 A 19990526 CN 1997-194441 19970520
 CN 1078614 B 20020130
 EP 919628 A1 19990602 EP 1997-922111 19970520
 EP 919628 B1 20041117
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI
 AT 282709 T 20041215 AT 1997-922111 19970520
 US 6190891 B1 20010220 US 1998-202041 19981207
 US 2001007762 A1 20010712 US 2000-742217 20001222
 US 6537546 B2 20030325
 CN 1312150 A 20010912 CN 2001-110963 20010307
 JP 2002356405 A 20021213 JP 2002-121826 20020424
 JP 3672888 B2 20050720
 PRIORITY APPLN. INFO.: JP 1996-144200 A 19960606
 WO 1997-JP1694 W 19970520
 US 1998-202041 A3 19981207

AB A process for producing high-mol.-weight compds. of phenolic or aromatic amine compds. by the action of a catalyst comprising an enzyme having a polyphenol oxidizing activity in the alkali region; applications of the polymeric compds. obtained by the above process to thickener, stabilizer, coagulant, emulsifier, dispersant, water retainer, antioxidant, adhesive, concrete admixt., dye, coating material, petroleum recovering agent, soil conditioner, a blow-applied seed bearing surface soil stabilizer, deodorant, smell eliminator, pesticide spreader, feed binder, bactericide, antimicrobial drug, viral infection inhibitor, bioadhesion preventive, biotic repellent, insecticide, cataplasma, ink base or wood treatment; and a method for wastewater treatment, antioxidn., wood treatment, bioremediation, and concrete treatment were claimed.

L11 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 1995:231360 CAPLUS
 DOCUMENT NUMBER: 122:16836
 TITLE: Permanent-waving compositions using
 α, β -unsatd. ketone-containing compounds or
 precursors thereof
 INVENTOR(S): Kubo, Sanae; Schultz, Thomas M.
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan
 SOURCE: U.S., 10 pp. Cont. of U.S. Ser. No. 898,420,
 abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5352443	A	19941004	US 1993-67346	19930525
PRIORITY APPLN. INFO.:			US 1993-67346	B1 19930525
			US 1992-898420	19920615

OTHER SOURCE(S): MARPAT 122:16836

AB An improvement permanent waving lotion is attained by incorporating into an otherwise conventional composition an organic compound having ≥ 1 functional group definable as an α, β -unsatd. ketone in conjunction with a carbon-carbon double bond. By employing the present invention, improved curl formation is attained and the malodor typically associated with permanently waved hair is substantially eliminated. Compds. incorporating the desired alpha, beta-unsatd. ketone (e.g. hematin, D&C Yellow Number 8) can be used directly in the permanent waving lotion, or chemical precursors (catechol, 4-hydroxyindole, etc.) can be employed to produce the desired alpha, beta-unsatd. ketone when exposed to oxidation or to alkaline materials. Formulations are included. When the compns. of the invention were used a normal manner, tighter curls were formed and virtually no malodor was sensed, when compared to convention prior art permanent waving applications.

L11 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1989:175291 CAPLUS

DOCUMENT NUMBER: 110:175291

TITLE: Deodorant multilayer coatings

INVENTOR(S): Murakami, Shinichi; Takitani, Akira; Takeuchi, Hisayoshi

PATENT ASSIGNEE(S): Shikoku Chemicals Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 63276534	A	19881114	JP 1987-113351	19870507
PRIORITY APPLN. INFO.:				
AB The title coatings contain an acid odor-removing layer formed from a composition at pH 8.0-11.0 and an alkali odor-removing layer formed from a composition at pH 2.0-6.0. A typical acid odor-removing composition (pH 5.8) contained a vinyl acetate polymer emulsion and FeSO ₄ , and an alkali-removing composition (pH 8.5) contained an acrylic-styrene emulsion and a polyphenol of plant origin. Paper was coated with these compns. to obtain a specimen showing good deodorization efficiency for NH ₃ and H ₂ S.				

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

82.88

83.09

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-12.48

-12.48

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:41:05 ON 29 NOV 2007